BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division,Yelahanka Zone

Executive Engineer
Yelahanka Division
B.B.M.P. Bengaluru-64

No:EE/YNK-D/E-PMT/01/2021-22 Dated: 21-04-2021

MODIFIED SCHEDULE-'B'

NAME OF WORK:- "Development of Foothpath on Major Sandeep Unnikrishnan Road and Resurfacing of roads at Judicial layout in ward no 04 of yelahanka Division (Package -10)"

Sl	Description	unit	Modified Quantity	Rate quoted by the contractor approved rates Sri YASHWANTH GOWDA H S (S L P INFRA ENGINEERS PRIVATE LIMITED)	
				In Figures	Amount
1	Removing and refixing stone slabs of drains and pointing in CM (1:3)	Sqm	228.06	116.81	Rupees One Hundred Sixteen and Eighty One Paise Only
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. Qty upto 125%	Cum	1042.16	700.96	Rupees Seven Hundred and Ninety Six Paise Only
	Qty Above 125%	Cum	66.27	700.96	Rupees Seven Hundred and Ninety Six Paise Only
3	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications	Cum	1920.73	225.94	Rupees Two Hundred Twenty Five and Ninety Four Paise Only
4	Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	774.97	5961.80	Rupees Five Thousand Nine Hundred Sixty One and Eighty Paise Only

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

Sl	Description	unit	Modified Quantity	Rate quoted by the contractor approved rates Sri YASHWANTH GOWDA H S (S L P INFRA ENGINEERS PRIVATE LIMITED)	
				In Figures	Amount
5	Providing TMT Bars Fe 500 reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification Qty Upto 125%	Tonne	25.50	84113.86	Rupees Eighty Four Thousand One Hundred Thirteen and Eighty Six Paise Only
	Qty Above 125%	Tonne	5.37	95080.59	Rupees Ninety Five Thousand Eighty and Fifty Eight Paise Only
6	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials, HOM of Machinery,Curing Etc.,Complete and as per the directions of the Engineer-in-charge of the work Qty Upto 125%	Cum	412.74	7790.43	Rupees Seven Thousand Seven Hundred Ninety and Forty Three Paise Only
	Qty Above 125%	Cum	57.71	8112.29	Rupees Eight Thousand One Hundred Twelve and Twenty Eight Paise Only
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work, curing,including cost of alll materials, labour, hire charges of machinery, loading, unloading, lead and lift,transportation etc ,and as per the directions of the Engineer-in-charge of the work	Sqm	2188.07	2452.68	Rupees Two Thousand Four Hundred Fifty Two and Sixty Eight Paise Only
8	Providing two line dressing to granite stone slab / granite stone masonry as per specifications	Sqm	159.65	1663.14	Rupees One Thousand Six Hundred Sixty Three and Fourteen Paise Only
9	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 250mm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,and as per the directions of the Engineer-in-charge of the work	Sqm	15.48	5686.19	Rupees Five Thousand Six Hundred Eighty Six and Nineteen Paise Only

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

Sl	Description	unit	Modified Quantity	Rate quoted by the contractor approved rates Sri YASHWANTH GOWDA H S (S L P INFRA ENGINEERS PRIVATE LIMITED)	
				In Figures	Amount
10	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	194.06	6328.01	Rupees Six Thousand Three Hundred Twenty Eight and One Paise Only
11	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete..complete as per specifications and as per the directions of the Engineer-in-	Nos	10145.00	453.89	Rupees Four Hundred Fifty Three and Eighty Nine Paise Only
12	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work	Sqm	795.23	89.00	Rupees Eighty Nine Only
	Qty upto 125%	Sqm	484.92	89.00	Rupees Eighty Nine Only
	Qty Above 125%				
13	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.	Sqm	241.01	1027.92	Rupees One Thousand Twenty Seven and Ninety Two Paise Only

Executive Engineer
Yelahanka, Division

Sl	Description	unit	Modified Quantity	Rate quoted by the contractor approved rates Sri YASHWANTH GOWDA H S (S L P INFRA ENGINEERS PRIVATE LIMITED)	
				In Figures	Amount
14	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per	Sqm	0.00	0.00	0
15	Supply fabrication painting and Fixing of Pre-Cast Bollards for Footpath and Property edge/Medians etc and anyother items as specified in drawings or as approved by engineer incharge (Data Rate)	Each	777.00	1301.38	Rupees One Thousand Three Hundred One and Thirty Eight Paise Only
16	Executive Bench-made Out of sadarahalli grey Stone with hand Supports with 3line Finishing with Arch design with 100mm slabs height 90x length 1500 width 45cms (Data approved rate)	Each	30.00	19100.90	Rupees Nineteen Thousand One Hundred and Ninety Paise Only
17	Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications.	Qtl	0.00	0.00	0
18	Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications and as per the directions of the Engineer-in-charge of the work Qty Upto 125%	Cum	1405.13	67.11	Rupees Sixty Seven and Eleven Paise Only
	Qty Above 125%	Cum	904.47	67.11	Rupees Sixty Seven and Eleven Paise Only

Sl	Description	unit	Modified Quantity	Rate quoted by the contractor approved rates Sri YASHWANTH GOWDA H S (S L P INFRA ENGINEERS PRIVATE LIMITED)	
				In Figures	Amount
19	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and as per the directions of the Engineer-in-charge of the work Qty upto125%	Cum	722.64	2093.67	Rupees Two Thousand Ninety Three and Sixty Seven Paise Only
	Qty Above 125%	Cum	249.92	2093.67	Rupees Two Thousand Ninety Three and Sixty Seven Paise Only
20	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer-in-charge of the work Qty Upto 125%	Cum	903.29	2100.34	Rupees Two Thousand One Hundred and Thirty Four Paise Only
	Qty Above 125%	Cum	433.76	2100.34	Rupees Two Thousand One Hundred and Thirty Four Paise Only
21	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as per the directions of the Engineer-in-charge of the work Qty Upto 125%	Sqm	4014.63	35.60	Rupees Thirty Five and Sixty Paise Only
	Qty Above 125%	Sqm	4310.10	45.61	Rupees Forty Five and Sixty One Paise Only

Executive Engineer
Bruhat Bengaluru Mahanagara P
Yelahanka, Division

Sl	Description	unit	Modified Quantity	Rate quoted by the contractor approved rates Sri YASHWANTH GOWDA H S (S L P INFRA ENGINEERS PRIVATE LIMITED)	
				In Figures	Amount
22	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work Qty Upto 125%	Sqm	8550.38	5.56	Rupees Five and Fifty Six Paise Only
	Qty Above 125%	Sqm	3386.78	5.56	Rupees Five and Fifty Six Paise Only
23	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen complete as per specifications and directions of the Engineer in charge. Qty upto 125%	Cum	389.21	7653.79	Rupees Seven Thousand Six Hundred Fifty Three and Seventy Nine Paise Only
	Qty Above 125%	Cum	27.02	9823.11	Rupees Nine Thousand Eight Hundred Twenty Three and Eleven Paise Only
24	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and as per the directions of the Engineer-in-charge of the work	Sqm	11937.15	13.35	Rupees Thirteen and Thirty Five Paise Only

Executive Engineer
Bruhat Bangaluru Mahanagara Palike
Yelahanka, Division

Sl	Description	unit	Modified Quantity	Rate quoted by the contractor approved rates Sri YASHWANTH GOWDA H S (S L P INFRA ENGINEERS PRIVATE LIMITED)	
				In Figures	Amount
25	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015 - using 40-60 TPH capacity HMP with mechanical Paver, Gr-II (30-45mm) with 5.4 % of modified bitumen binder consisting of 4.97% VG- 30 bitumen (60/70 grade) 0.43% Plastomeric Thermoplastics (Waste plastic Additive). complete as per specifications and directions of the Engineer in charge.	Cum	475.10	8967.62	Rupees Eight Thousand Nine Hundred Sixty Seven and Sixty Two Paise Only
	Qty Above 125%	Cum	2.39	11439.53	Rupees Eleven Thousand Four Hundred Thirty Nine and Fifty Two Paise Only
26	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Sqm	397.58	477.25	Rupees Four Hundred Seventy Seven and Twenty Five Paise Only

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

Sl	Description	unit	Modified Quantity	Rate quoted by the contractor approved rates Sri YASHWANTH GOWDA H S (S L P INFRA ENGINEERS PRIVATE LIMITED)	
				In Figures	Amount
27	Supply and fixing of Retro Reflective Single Arrow Road Name Signboard of size 1600mm x 900mm made out of retro reflective sheeting conforming to Type XI standards of ASTM D 4956 - 09 & as per IRC 67-2012 for full back ground of blue colour & white letters and fixed over 4 mm thick Aluminium Composite Material sheet having minimum 0.5 mm thick Aluminium skin on both sides with back side painted grey colour and fixed over back support frame SS angle of 15mm x 20mmx 1.2mm, supported by 38mm OD stainless steel pipe all round in 304 grade and 2 nos of vertical posts of 50 mm OD stainless steel pipe of 202 grade firmly fixed to the ground by means of properly designed foundation of size 450mm x 450mm x 600mm in 1:1.5:3 ratio cement concrete. The background shall be blue in color with letters and border in white, the item includes earthwork excavation, cost of all materials, loading, unloading, lead, lift, transportation etc., complete. as per direction of engineer incharge of work clause 6.9 of IRC 67-2012 for Type XI retro reflective sheeting from the sheeting manufacturer & a certified copy of test reports from an independent test laboratory conforming to clause 6.7 of IRC 67-2012	Sqm	0.00	0.00	0
E1	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification	Sqm	3686.23	1370.56	Rupees One Thousand Three Hundred Seventy and Fifty Six Paise Only

Signature of Contractor

Executive Engineer
Yelahanka Division
BBMP, Bangalore

Executive Engineer
Yelahanka, Division